

## Mitochondrial Trans-2-Enoyl-CoA Reductase Human Recombinant

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| <b>Item Number</b>                       | rAP-1797  |
| <b>Synonyms</b>                          | NRBF1, CGI-63, FASN2B, EC 1.3.1.38, MECR, Mitochondrial Trans-2-Enoyl-CoA Reductase.  |
| <b>Description</b>                       | MECR Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 341 amino acids (54-373 a.a.) and having a molecular mass of 49.8 kDa. The MECR is fused to 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.  |
| <b>Uniprot Accession Number</b>          | Q9BV79  |
| <b>Amino Acid Sequence</b>               | MGSSHHHHHH SSSLVPRGSH MPAKVVELKN LELAAVRGSD VRVKMLAAPI NPSDINMIQG NYGLL-<br>PELPA VGGNEGVAQV VAVGSNVTGL KPGDWWIPAN AGLGTWRTEA VFSEEALIQV PSDIPLQSAA<br>TLGVNPCTAY RMLMDFEQLQ PGDSVIQNAS NSGVGQAVIQ IAAALGLRTI NVVRDRPDIQ KLS-<br>DRLKSLG AEHVITEEEL RRPEMKNFFK DMPQPRALN CVGGKSSTEL LRQLARGGTM VTYGGMAKQP<br>VVASVLLIF KDLKLRGFWL SQWKKDHSPD QFKELILTLC DLIRRGQLTA PACSQVPLQD<br>YQSALEASMK PFISSKQILT M. |
| <b>Source</b>                            | Escherichia Coli.   |
| <b>Physical Appearance and Stability</b> | Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.   |
| <b>Formulation and Purity</b>            | MECR Human solution containing 20mM Tris pH-8, 0.2M NaCl, 5mM DTT & 20% glycerol. Greater than 90.0% as determined by SDS-PAGE.   |
| <b>Application</b>                       |   |
| <b>Solubility</b>                        |   |
| <b>Biological Activity</b>               |   |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.   |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**